

MATERIAL SAFETY DATA SHEET

SECTION I – PRODUCT IDENTIFICATION

SUPPLIER	
NAME	RNRF Ltd
ADDRESS	Suite 10 Vulindlela Village, Addo Road, Motherwell 6211, Eastern Cape, South Africa
TELEPHONE	+27 41 461 2795
PRODUCT	
NAME	Soybean Meal
DESCRIPTION	Soybean protein isolate
SYNONYMS	Soymeal, soyameal, soybean flour, soy protein.
CAS NUMBER	68308-36-1

SECTION II – INGREDIENTS AND HAZARD CLASSIFICATION

Ingredients Soybean meal (100%)

SARA Title III Section 312 Extremely Hazardous Substances: None
Section 311/312 Hazardous Categories: Non-hazardous
Section 313 Toxic Chemicals: None

Not classified as hazardous according to NOHSC criteria.

SECTION III – HEALTH INFORMATION

EFFECTS OF OVEREXPOSURE

Inhalation May cause lung congestion if dust is breathed.

Ingestion None. Not harmful if swallowed.

Eye contact In the event of eye contact irrigate with water for 10 – 15 minutes. Exposure may result in mild irritation. Direct eye contact may result in pain, redness and lacrimation. Seek medical attention if symptoms persist.

Skin contact Seek medical attention if symptoms persist.

Toxicological information Not available

SECTION IV – OCCUPATIONAL EXPOSURE LIMITS

PEL: None listed from OSHA.
PELTLV: None listed from ACGIH.

SECTION V – EMERGENCY FIRST AID PROCEDURE

FOLLOW STANDARD FIRST AID PROCEDURES

Ingestion Do not induce vomiting. Give person one or two glasses of water to drink. If gastro-intestinal symptoms develop call physician or Poison Control Centre.

Skin contact Wash affected area with soap and water. Seek medical attention if irritation develops.

Eye contact Flush eyes with cool water for at least 15 – 20 minutes. Do not let person rub eyes. Seek medical attention if irritation develops.

Inhalation Remove person to fresh air. Seek medical attention if symptoms persist.

SECTION VI – PHYSICAL PROPERTIES

Physical state	Solid	Vapour density	N/A (Air = 1)
Appearance	Off-white to brown	Evaporation rate	N/A
Water solubility	N/A	Flash point	N/A
Odour	Odourless to mild	Boiling point	N/A
Specific gravity	N/A	Melting point	N/A
pH value	N/A	Flammability limits	Not known
Vapour pressure	N/A	Molecular Weight	N/A

SECTION VII – FIRE AND EXPLOSION HAZARDS

Flash point and method used N/A

Auto-ignition temperature N/A

Flammability Dust explosion conditions are unknown.

Flammability limits Not known

HFPA rating HEALTH: 0; FIRE: 0; REACTIVITY: 0

Extinguishing media Treat as Class A. Foam, dry chemical, carbon dioxide and water spray.

Special fire fighting procedures and precautions: Slightly combustible. Suitable extinguishing agents are dry agent, carbon dioxide and foam. Fire fighters should use self-contained breathing apparatus to avoid exposure to smoke and fumes.

Unusual fire & explosion hazards: Toxic gases such as hydrocarbons and carbon oxides may evolve when heated.

SECTION VIII – REACTIVITY

Stability	Stable
Hazardous polymerization	Will not occur
Materials to avoid	Strong oxidizing agents and moisture. Material is hygroscopic.
Hazardous decomposition products	Combustion produces CO ₂ , CO and thick smoke.
Conditions to avoid	None known

SECTION IX – PERSONAL PROTECTION/EXPOSURE CONTROL

Respiratory protection	Always ensure that workplace has adequate ventilation. In case of dust formation, wear appropriate respiratory protective equipment as determined by expert opinion.
Skin protection	None.
Eye protection	Always wear approved safety glasses when working. Full face protective shields can be worn to avoid contact with face. Eye wash stations should be provided and regularly inspected.
Footwear	Wear appropriate footwear as specified by workplace regulations.
Additional measures	Practice good personal hygiene by washing exposed skin regularly with soap and water. Wash hand before consuming any food or drink.

SECTION X – ENVIRONMENTAL PROTECTION

Environmental precautions	None. Avoid excessive dust emissions.
Spill or leak precautions	Clean up spilled material using broom or vacuum cleaner.
Waste disposal	Dispose spilled or contaminated material according to federal, state and/or local requirements. Do not release into drains.

SECTION XI – TRANSPORT INFORMATION

Transport information	Not classified as Dangerous
U.N. Hazard class	Not applicable.
Shipping classification	Not regulated
Shipping name	Not applicable
Identification number	Not applicable

SECTION XII – HANDLING, STORAGE AND USAGE

Storage temperature

N/A

General

Store away from excessive heat, ignition sources (sparks and flames) and strong oxidising agents. Store in a cool, dry and well-ventilated environment. Do not store in direct sunlight.

SECTION XIII – DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. The stated MSDS is reliable to the best of the company's knowledge and believed accurate as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

(19 March 2008)

